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DÔCUMENT-IDENTIFIER: JP 10124766 A

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'AT-NO:

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DOCUMENT-

JP 10124766 A

IDENTIFIER:

TITLE:

ENVIRONMENT MONITORING SYSTEM, ABNORMALITY DETECTING

METHOD AND DEVICE THEREFOR

PUBN-DATE:

May 15, 1998

INVENTOR-INFORMATION:

NAME

COUNTRY

KIMURA, TETSUO

INT-CL (IPC): G08B017/00, G08B017/06, G08B031/00

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an environment monitoring system and an abnormality detecting nethod in which <u>malfunction</u> due to the delicate change of environment or the influence of noise or the ike can be reduced, and exact abnormality detection can be attained at the time of detecting abnormality such as fire by using a <u>Mahalanobis distance</u>.

SOLUTION: At the time of forming a <u>Mahalanobis space in a normal</u> state, not only (q) sets of basic data sets DS1-DSq obtained from each sensor S1-Sq in a <u>normal</u> time under (q) kinds of basic environment conditions E1-Eq but also (w) sets of job spot reference data sets DSq+1-DSq+w obtained from each sensor S1-Sn in a <u>normal</u> time under (w) kinds of job spot environment conditions Eq+1-Eq+w are considered. Then, the total (q+w) sets of data sets DS1-DSq+w in a <u>normal</u> time of the (q) sets of pasic data sets DS1-DSq and the (w) sets of job spot reference data sets DSq+1-DSq+w are defined as a reference data set, and the <u>Mahalanobis space</u> being a reference, that is, a reference <u>Mahalanobis distance</u> Dj2 is calculated.

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Abstract Text - FPAR (1):

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Abstract Text - FPAR (2):

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